Brandon & Byshottles Urban District Council.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH.

To the Chairman and Members of the Brandon and Byshottles Urban District Council.

GENTLEMEN,

At the Census taken in 1901, the total population of your district was found to be 15,573. At the end of the year 1909 I estimate the population to be 18,486, and in the middle of the year 18,297. The rates in this report are based on the latter number.

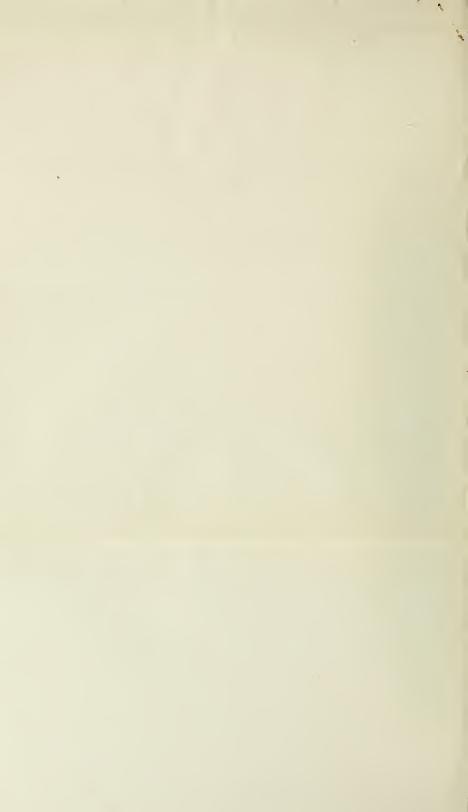
264 deaths were registered during the year, being a decrease of 56 compared with the previous year. 12 of the deaths occurred in public institutions beyond the district. The deaths were at the rate of 14·429 per thousand, those under 5 years of age (108) being at the rate of 5·903 per thousand, and those over 5 years of age (156) at the rate of 8·526 per thousand.

The deaths from Zymotic Diseases (15) were at the rate of 0.82 per thousand of the population. Infant mortality rate, 124 per thousand births registered. This is the lowest rate recorded during the last ten years, and is the same as the County rate.

The Phthisis death-rate was 874, and was slightly above the previous year, but is below the County rate. The Respiratory death-rate, excluding Phthisis, was 2.624 per thousand; this is below the rate last year, but a little above the County rate.

Seven Inquests were held, and there were 7 uncertified deaths.

638 births were registered during the year. Of these 350 were males and 288 females. The births were at the rate of 34 865 per thousand. 614 were legitimate, and 24 illegitimate.



In the following table the rates for your district and for the County of Durham are compared:—

	Brandon	COUNTY
	AND	\mathbf{OF}
	Byshottles.	Durham.
Birth-rate	34.865	35.5
Death-rate	14.429	15.7
Zymotic death-rate	.82	1.61
Infant Mortality rate (per 1,000 birth	s) 124	124
Phthisis death-rate	.874	.91
Respiratory death-rate (excluding		
Phthisis)	2.624	2:38

INFECTIOUS DISEASES.

326 cases were notified. Of these 262 were Scarlet Fever, 28 were Enteric Fever, 26 were Diphtheria, and 10 were Erysipelas. The large increase in the number of Scarlet Fever cases was due to an outbreak in the West Ward in the second and third quarters of the year, and later to an outbreak in the East Ward. There were 108 cases in the West Ward, and 69 in the East. The disease was of a very mild type, and this probably accounts for the number, as in the West Ward hospital treatment was refused, and it was impossible to isolate them at home. There was no death in the West Ward out of the 108 cases. There was a fatal case in the East Ward, and one in the Centre Ward. In the North Ward there were 20 cases, in the South Ward 33, and in the Centre Ward 32. The Enteric Fever was distributed as follows:—Centre Ward 15 cases, East Ward 6, West Ward 6, and South Ward 1. The Diphtheria occurred principally in the West Ward, where there were 14 cases. There were 4 in the South Ward, 4 in the Centre Ward, 2 in the East, and 2 in the North. Erysipelas occurred in all the wards except the Centre. There were 4 cases in the East, 2 in the West, 2 in the North, and 2 in the South.

Infected premises were visited by your Inspector and myself, instructions were given and disinfectants supplied. 207 houses were stoved.

109 patients were removed to the Hospital, 91 suffering from Scarlet Fever, and 18 from Enteric Fever. The Hospital was in use during the whole of the year, but was again insufficient for the requirements of the district.

There were two deaths from Whooping Cough but none from Measles during the year.

In August and September all the Cowsheds and Dairies in your district were inspected by your Inspector and myself, being thirty-seven in number, in which were housed 203 cows. Nine byres were found which required cleansing and the walls limewashing, and one had the manure stored too near the doorway. In the remedying of these defects notices were served in each case and were attended to.



During the year two additional cowkeepers and milk-sellers were registered. The byre of one was found unsatisfactory, being deficient of light and ventilation, with a defective floor. This was afterwards put into a satisfactory condition.

No diseased cows were found in the district, and the milk supply appears to be good and satisfactory.

SLAUGHTER HOUSES.

These institutions have, during the year, all been inspected. Four nuisances were detected, notices served in regard to the same, and the faults remedied. No unsound or diseased meat was found, and consequently no seizures made. Generally speaking, they have been fairly well maintained, kept clean, good water supply, and all refuse and garbage collected and removed after killing operations.

The three chief slaughter houses in the district are in connection with the Co-operative Societies of Meadowfield, Waterhouses, and New Brancepeth. The one at Waterhouses is practically an Abattoir, and serves the purposes of the whole of that district. It is well isolated, in good sanitary condition, and well kept.

There are a few cases where the Slaughter House is badly situated, being too near dwelling houses, and where the killing is done either in the shop or in close proximity thereto. Such arrangements are neither desirable nor up to date, and have attached to them many disadvantages, disadvantages which can be best overcome by the erection of *Public Abattoirs*.

SCAVENGING.

The ashpit scavenging, which is done by contract, and which has been in the hands of fourteen contractors, has been fairly satisfactorily executed. Sixty-three intimations have been served upon the scavengers, all of which were attended to. In one instance, however, it was necessary to adopt more stringent measures in reference to a contractor tipping on forbidden ground and too near inhabited houses; however, eventually this was remedied. The refuse is deposited upon land, for manuring purposes, and on the Council's "Refuse Tips." The inconvenience and nuisance arising from these places during scavenging, viz., ashpits, is being greatly reduced by the substitution of small ashclosets, and it is hoped that before long the district will be rid of the objectionable and dangerous privy-ashpit structure.

FACTORY AND WORKSHOP INSPECTIONS.

During the year all the workshops in your district have been carefully inspected, being twenty-seven in number, including one bakehouse and six factories. Seven nuisances were detected, viz., defective watercloset, no sanitary convenience, dirty lavatory, and defective lavatory wastes. Intimation Notices were served, and the faults remedied. No overcrowding was detected.



The industries observed are chiefly tailoring, dressmaking, millinery, shoemaking, joinery, and blacksmithing. The principal workrooms are in connection with the Co-operative Societies at Meadowfield, New Brancepeth, and Waterhouses, which are in good condition and afford ample accommodation and convenience for the employees.

The industries of the factories are: woodcutting, joinery, ærated water making, sanitary pipe and brick making.

THE SUBSTITUTION OF ASHCLOSETS FOR PRIVY-ASHPITS.

During the year, speaking generally, this work has progressed fairly satisfactorily. For the whole district, 228 ashelosets of good construction have been substituted for ashpit-privies. They have been distributed as follows: 50 for New Brancepeth, 60 for Brandon Colliery, 28 for Waterhouses, 15 for Browney, and 75 for Meadowfield and Langley Moor.

In 41 instances yard premises which were in bad condition have been repaired with cement concrete.

SCHOOL STREETS, LANGLEY MOOR.

The sanitary conveniences and yards of these two rows, comprising forty-one houses, are in bad condition. In July, proceedings were instituted against the owners requiring them to abolish the old privy-ashpits, substitute new ashclosets, and cement the yards, and an Order was made by the Bench to have the works specified in the Notice carried out. Up to the present, nothing has been done, but it is expected shortly the lessees and the lessors will come to some agreement, when the matter will be practically dealt with.

TABULATED STATEMENT OF SANITARY WORK DONE DURING THE YEAR.

Special visits to premises, on complaint or otherwise, for	
the detection of nuisances	334
Notices served for the abatement of Nuisances	365
Nuisances abated after Notice	443
Sanitary conveniences inspected in reference to Scavenging	5,685
Notices served upon the Contractors	63
Infected premises visited and inspected	146
Articles of infected bedding disinfected or destroyed	647
Houses disinfected after infectious disease	207
Privy-middens abolished and Ashclosets substituted	228
Abatements of overcrowding	6
Yard premises laid in cement concrete	41
Workshops inspected	27
Cowsheds and Dairies inspected	37
Patients removed to Hospital	109



The notices served have been in regard to defective conveniences, lavatories, improper deposits of manure, overcrowding, cowsheds, structural defects and foul condition of dwelling houses, slaughter houses, defective drainage, and insufficiency of water supply.

SEWAGE DISPOSAL.

Sewage from Station Avenue, Railway Street, South Street, and East Street, Brandon Colliery, has now been tapped into your main drainage system, and is dealt with at your Littleburn Sewage Works.

Over 600 lin. yards of 9" pipes have been laid through fields at Meadowfield in the occupation of Messrs. Strakers & Love, passing through the pipe yards, and are carried under the N.E.R. Co's Auckland and Durham line by 9 inch steel tubes, and from this point to East and South Streets, and then to Back Station Avenue.

So far as I know the sewage from almost every building is dealt with before reaching any stream or river.

LYMINGTON TERRACE SEWAGE WORKS.

Extensions are contemplated to these works in order to more efficiently deal with the sewage reaching them.

NEW CEMETERY, MEADOWFIELD.

The public are now more inclined to look upon this Burial Ground with less fear; all the graves opened out have been highly satisfactory.

SEWAGE WORKS.

Considerable additions have been made to the Secondary Filters at Littleburn by your Surveyor, with excellent results; although the construction of these filters is simple and inexpensive, the results are very good indeed.

Seventeen houses have been erected and occupied in the district during the year, and plans are now deposited for a street of seventeen houses at Esh Winning; none have been built at Brandon Colliery.

800 square yards of flagged footpath have replaced the defective path at Commercial Street, Brandon Colliery.

PRIVATE STREET WORKS.

During the year Private Street Works have been carried out in Back High Street, Langley Moor; and the Black Road, Langley Moor, has been made, lighted, and taken over by your Council.

Plans are now prepared for Street Works at Brandon Colliery (Side Station Avenue) and the road by Railway Street to Commercial Street.

Whitwell Terrace street making will shortly be put in hand.

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The water supply of the district is good and continuous, being obtained from the Weardale & Consett Water Company. A few isolated places and farmhouses draw their supply from Springs.

There are no common lodging-houses, and no tenemented property in the district, and no offensive trades are carried on in it.

There was a further improvement in the general sanitary condition of the district. The general health was good, and the Death-rate is the lowest recorded during the past eleven years. The same can be said of the Infant Mortality Rate, while the Birth-rate is slightly above the average for the past ten years.

The sanitary condition of the public elementary schools is satisfactory, and all have a good and abundant water supply. The medical inspection of school children is conducted by one of the School Medical Officers of the County Council. Children suffering from infectious disease, or living in an infected house, are not allowed to attend school.

No system of notification of cases of pulmonary tuberculosis is in operation, and no action is taken in these cases. No hospital accommodation is provided.

The Notification of Births Act, 1907, was adopted by your Council during the year, and came into force on the 10th day of August. Miss Arnold, a health visitor appointed by the County Council, commenced her duties under the Act on the 16th of August. She has been well received by the people, and has done very good work. I am sure her influence and teaching cannot fail to do good. She is well adapted for the work, and I trust her labours will be conducive to a still further reduction of the infantile mortality.

Appended are the five official tables, and also one relating to the inspection of factories, workshops, etc. All contain valuable information.

I am, Gentlemen,

Yours obediently,

HENRY SMITH, M.D., Medical Officer of Health.

Durham, 5th February, 1910.



URBAN DISTRICT OF BRANDON AND BYSHOTTLES.

FACTORIES, WORKSHOPS, WORKPLACES, AND HOMEWORK.

I.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

		Number of	
Premises.	Inspections.	Written Notices.	Prosecutions.
Factories	8	2	
Workshops(Including Workshop Laundries)	23	5	
Total	31	7	

2.—DEFECTS FOUND.

Particulars.		Number	of Defects.	Number of
	_	Found.	Remedied.	Prosecutions.
Nuisances under the Public Hea	lth Acts ·			
Want of cleanliness		1	1	
Other Nuisances		2	2	
(i	nsufficient	1	1	
	ansuitable or defective	3	3	
Total		7	7	

3.—HOME WORK.

Nii

4.—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year.	Number.
Bakehouses	1
Factories	6
Workshops	20
Total number of Workshops on Register	27

5.—OTHER MATTERS.

o. Other Militare.	
Class.	Number.
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s. 5):—	
Notified by H.M. Inspector	1
Reports (of action taken) sent to H.M. Inspector	1



TABLE I.

Brandon & Byshottles Urban Sanitary District.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1909 AND PREVIOUS YEARS.

	_ ਼ੂਰ ਹੁਰ	В	irths.	Tot	al Deaths Di	Registered strict.	in the	Total	Non-	Deaths of Residents	Nett Deaths at all Ages belonging to		
	lation ted t of ea ar.				r l Year Age.	At al	Ages.	Deaths in Public	registered	in Public	the D	istrict.	
Year.	Population estimated to Middle of each Year.	Num- ber.	Rate.*	Num- ber.	Rate per 1,000 Births registered	Number.	Rate.*	Institu- tions in the District.	in Public Institu- tions in the District.	Institu- tions beyond the District.	Number.	Rate.*	
1	2	3	4	5	6	7	8	9	10.	11	12	13	
1899	16,700	520	31.13	97	186	253	15.149				253	15.149	
1900	16,934	456	26.928	85	186	274	16.18		'		274	16.18	
1901	15,573	615	32.491	126	205	281	18.043			10	291	18-686	
1902	15.787	575	36.422	100	148	278	17-609			11	289	18-306	
1903	16,184	583	36.035	91	156	235	13.964			9	244	14.520	
1904	16,600	596	35.951	91	152	268	16.144	7		21	289	17.409	
1905	16,950	598	35.280	116	193	303	17.875	6		10	313	18.466	
1906	17,230	568	32.963	112	197	291	16.888	5		11	302	17.527	
1907	17,563	618	35.187	87	140	244	13.893			13	257	14.633	
1908	17,923	662	36.935	127	191	313	17.406	3		6	320	17.854	
Averages for years 1899 to 1908.	16,744	579	34-579	103-2	191.8	274	16.364				283-2	16.873	
1909	18,297	638	34.865	79	124	252	13.773	1		12	264	14-429	

^{*} Rates in Columns 4 and 8 should be calculated per 1,000 of the estimated gross population. In districts in which large public institutions seriously affect the statistics, the rates in Column 13 may be calculated on a nett population, obtained by deducting from the estimated gross population the average number of inmates not belonging to the district in such institutions.

Area of District in acres (exclusive of area covered by water) 6,683



TABLE II.

VITAL STATISTICS OF SEPARATE LOCALITIES IN 1909 AND PREVIOUS YEARS.

Names of Localities	1.—1	East	WAI	RD.	2.—\	Vest	WA	RD.	3.—1	Vort	н Wa	RD.	4.—S	OUTH	t WA	RD.	5.—0	ENTE	RE WAI	RD.
YEAR.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under I year.	Population estimated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under I year.	Population esti- nuated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under I year.
	<i>a</i> .	<i>b</i> .	c.	d.	a.	<i>b</i> .	c.	d.	a.	<i>b</i> .	c.	d.	<i>a</i> .	<i>b</i> .	c.	d.	a.	b.	c.	d.
1899																				
1900)																			
1901	3542		70		3094		44		2452		37		1984		39		4501	• •	101	
1902			77				58				39				36				79	
1903	1		69				40				29				32				65	~
1904			62				54				38				28				105	
1905			62	25			40	14			43	14			37	14			131	49
1906			72	22			32	12)		50	20			40	14			108	44
1907			74	22		٠.,	48	12)		29	9		٠	29	13			64	31
1908			74	19			52	16			49	20			43	17			102	55
Averages of Years 1901 to 1908.			70				46				39.25				35.5				94.375	
1909			66	24			40	6			49	19			36	8			73	22



TABLE III.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1909.

		CASES	Notifie	о пу Wн	CASES NOTIFIED IN WHOLE DISTRICT.	RICT.		Total Cases Notified in Each Locality.	CASES L	S Notifies Locality.	ED IN		No. o	F CASE FROM	S REM	CASES REMOVED TO H	No. of Cases Renoved to Hospital from fach Locality.	PITAL
Notifiable Disease.				At Ages—Years.	-Years.			П	61	ಣ	4	20	-	61	ಣ	4	20	6 Total
	At all Ages.	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	Under I. 1 to 5. 5 to 15. 15 to 25. 25 to 65, upwards, Ward,	East Ward.	West Ward.	North 8	South (Ward	entre Vard.	East Vard.	West N	North Ward.	South Ward.	Centre Ward.	removed to Hospital
Diphtheria (including Membranous Croup)	26	-	1	17	:	1	:	61	14	63	4	4	:	:	:	:	:	:
Erysipelas	10	:	:	:	-	œ	-	4	61	67	63	:	:	:	:	:	:	:
Scarlet Fever	262	-	103	152	9	:	:	69	108	20	33	32	36	22	Ξ	22	17	91
Enteric Fever	58	:	63	6	01	-1	:	9	9	:	-	15	ಣ	4	:	:	=======================================	18
Totals	326	67	112	178	11	91	_	81	130	24	40	51	39	6	п	55	88	109
ISOLATION HOSPITAL—Name and Shandon Isolation Hospital, Situation Situation Situation	Name an Situat	d Br.	ANDON IS near Brai	OLATION ndon Villa	Hospitai age.		Total available beds, 10.	ailable	beds, 1		No. of	Disease	s that	can be	concur	rently t	No. of Diseases that can be concurrently treated, Two.	Two.



TABLE IV.

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1909.

	Dea " Re	siden	ts ''	subj wheth d the	er oc	currin	of g in	" Re	siden Local irring	t all ts '' l itles, in o Distr	whet r bey	ging her	Total Deaths whether of
Causes of Death.	All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	East Ward.	West Ward.	North Ward.	South Ward.	Centre Ward.	"Residents' or "Non- Residents' in Public Institutions in the District.
Scarlet Fever	2		2					1				1	
Whooping Cough	2	2						2					
Diphtheria (including Membranous Croup)	5	1	3	1					1	2		2	
Enteric Fever	1				1							1	1
Epidemic Influenza	2				1		1			2			
Diarrhœa	5	4					1	2	1		1	1	
Enteritis	9	5	4					4	1	3	1		
Gastritis	4	3	1							1	2	1	
Phthisis (Pulmonary Tuberculosis)	16			2	6	7	1	1	7	3	2	3	
Other Tuberculous Diseases	7	1	2	2		2		3	1	1	1	1	
Cancer, Malignant Disease	14					10	4	5	4		1	4	
Bronchitis	16	1	3		1	3	8	3	2	4	2	5	
Pneumonia	29	10	9	4		2	4	10	1	5	4	9	
Pleurisy	1					1	١		1				
Other Diseases of Respiratory Organs	2					2					1	1	
Alcoholism, Cirrhosis of Liver	2					2			1			1	
Venereal Diseases	1	1							1				
Premature Birth	16	16						4	4	1	1	6	
Diseases and Accidents of Parturition	4				1	3		1				3	
Heart Diseases	21		٠		1	15	5	5	3	4	4	5	
Accidents	8	1		2	1	4	1	3		1		4	
Suicides	3				1	2			1	2		١	
Meningitis	7	3	1	3				3		2	1	1	
Convulsions		12	2	1				3	1	2	3	6	
Debility from Birth		2										2	
Cerebral Hæmorrhage						10	7	3	4	2	4	4	
All other Causes	53	18	2	1	1	13	18	13	6	14	8	12	
All Causes	264	79	29	16	14	76	50	66	40	49	36	73	1



TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1909.

DEATHS FROM STATED CAUSES IN WEEKS AND MONTHS UNDER ONE YEAR OF AGE.

Cause of Death.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1–2 Months.	2–3 Months.	3-4 Months.	4–5 Months.	5–6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
All Causes (Certified	25	5	1	1	32	3	8	6	7	4	3	2	5	4	2	2	78
i.—Common Infectious Diseases:																	
Diphtheria (including Membranous Croup)													1				1
Whooping Cough											1					1	2
ii.—Diarrhœal Diseases :																	
Diarrhœa, all forms								1	1								2
Enteritis, Muco-enteritis, Gastro-enteritis						1	1		1						1		4
Gastritis, Gastro intestinal Catarrh		1			1			1	1				1				4
iii.—Wasting Diseases :—																	
Premature Birth	13	1		1	15	1											16
Congenital Defects	1				1		1										2
Injury at Birth	5				5												5
Atrophy, Debility, Marasmus	1	1			2	1	3	4	1				1				12
iv.—Tuberculous Diseases:—																	
Tuberculous Meningitis														1			1
v.—Other Causes :—																	
Syphilis									1								1
Meningitis (not Tubercuious)									1	1			1				3
Convulsions	4	2	1		7				2	1	1	1					12
Bronchitis										1							1
Pneumonia							2			1	1	1	1	2	1	1	10
Other Causes	1				1		1							1			3
	25	5	1	1	32	3	8	6	8	4	3	2	5	4	2	2	79

Births in the year—legitimate, 614; illegitimate, 24. Deaths in the year—legitimate infants and illegitimate infants, 79. Deaths from all causes at all Ages, 264. Population, estimated to middle of 1909, 18,297.

